

Abstract

Piezoelectric actuators having ceramic layers and electrode layers are known, an outer cover layer being provided on each
5 end face of the piezoelectric actuator, and the ceramic layers and the outer cover layers each having a predetermined dielectric constant. Rapid switching of the actuator results in considerable electromagnetic interference, which must be reduced through complex measures involving the control unit or
10 electric lines.

This device reduces electromagnetic interference by decreasing the interfering capacitance between the actuator and the actuator housing connected to ground electrically.

15 The outer cover layers (16, 17) have a lower relative dielectric constant than the ceramic layers (2) between the outer cover layers (16, 17).
(Figure 1)